PATENT COOPERATION TREATY PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference	FOR FURTHER see Notification of	f Transmittal of International Search Report
GHS/P503618WO	ACTION	20) as well as, where applicable, item 5 below.
International application No.	International filing date (day/month/year)	(Earliest) Priority Date (day/month/year)
PCT/GB 03/00939	06/03/2003	06/03/2002
Applicant		
BACCHUS WINE CLOSURES LIMI	(TCN	
BACCHOS MINE CEOSOMES FINE	TEU	
This International Search Report has been according to Article 18. A copy is being train	n prepared by this International Searching Authornsmitted to the International Bureau.	ority and is transmitted to the applicant
This International Search Report consists of X It is also accompanied by a	of a total of sheets. a copy of each prior art document cited in this re	report.
Basis of the report		
language in which it was filed, unle	nternational search was carried out on the basises otherwise indicated under this item.	
Authority (Rule 23.1(b)).	as carried out on the basis of a translation of the	
 With regard to any nucleotide and was carried out on the basis of the 	d/or amino acid sequence disclosed in the inte sequence listing:	ernational application, the international search
contained in the internation	nal application in written form.	
	national application in computer readable form.	
=	this Authority in written form.	
	this Authority in computer readble form.	
international application as		
the statement that the infor furnished	mation recorded in computer readable form is i	identical to the written sequence listing has been
	d unsearchable (See Box I).	
3.	ng (see Box II).	
4. With regard to the title,		
the text is approved as sub-	mitted by the applicant.	
	ed by this Authority to read as follows:	
STOPPER		
5. With regard to the abstract,		
the text is approved as subj		
the text has been established within one month from the co	ed, according to Rule 38.2(b), by this Authority a date of mailing of this international search repor	as it appears in Box III. The applicant may, rt, submit comments to this Authority.
6. The figure of the drawings to be publish		1
X as suggested by the applica	ant.	None of the figures.
because the applicant failed	• •	
because this figure better ch	naracterizes the invention.	

International application No.
/ GB 03/00939

Box III TEXT OF THE ABSTRACT (Continuation of item 5 of the first sheet)

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International application No. PCT/GB 03/00939

Box I	Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)
This Inte	ernational Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
1.	Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:
2.	Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3.	Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box II	Observations where unity of invention is lacking (Continuation of item 2 of first sheet)
This Inte	ernational Searching Authority found multiple inventions in this international application, as follows:
	see additional sheet
1. X	As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2.	As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3.	As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4.	No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:
Remark o	on Protest The additional search fees were accompanied by the applicant's protest. X No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. Claims: 1-40

Invention 1 - Claims 1-40: A stopper comprising a barrier layer which comprises a hot melt polymeric adhesive.

2. Claim: 41

Invention 2 - Claim 41: A method of applying a pre-polymer to a stopper comprising: forming a pre-polymer by combining an isocyanate solution with a polyol solution; applying the pre-polymer to a surface of the stopper; and allowing the pre-polymer to cure.

3. Claim: 42

Invention 3 - Claim 42: A method of applying a barrier layer to a stopper comprising: applying hot melt adhesive to one of a stopper and a partially formed barrier layer; allowing the hot melt adhesive to cool; and contacting the stopper and the barrier layer such that bonding occurs.

International Application No PCT/GB 03/00939

A. CLASSIFICATION OF SUBJECT IPC 7 B65D39/00 ER

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

C. DOCUM	NTS CONSIDERED TO BE RELEVANT	
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
x J	WO 00 64647 A (VINPAC INTERNAT PTY LTD; MA ROSALIND (AU); WILKS TERRY (AU); BRITC) 2 November 2000 (2000-11-02) page 1, line 1 - line 5 page 3, line 5 - line 8 page 3, line 15 - line 17 page 4, last paragraph page 5, line 19 - line 20 page 9, paragraph 1 page 11, line 1 - line 9 page 14, last paragraph; claims 1-3,5,6	1,9-11, 22,23, 25-28, 30,32,40 14,17

X Further documents are listed in the continuation of box C.	X Patent family members are listed in annex.
"A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier document but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention are document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
Date of the actual completion of the international search 5 August 2003	Date of mailing of the international search report
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Authorized officer Janosch, J

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International Application No PCT/GB 03/00939

C.(Continua	ation) DOCUMENTS CO RED TO BE RELEVANT	7C17 db 03700339
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
χIJ	WO 00 64649 A (VINPAC INTERNAT PTY LTD ;MA ROSALIND (AU); WILKS TERRY (AU); BRITC) 2 November 2000 (2000-11-02)	1,9-11, 22,23, 25-28, 30,32,40
A	<pre>page 1, line 1 - line 6 page 1, line 18 - line 20 page 7, line 9 - line 14 page 8, line 19 - line 21 page 13, paragraph 1; claims 1-3,8</pre>	14,17
x //	US 5 527 580 A (AOKI YOSHIHIDE ET AL) 18 June 1996 (1996-06-18)	1,6,7, 11,14,
A	column 3, line 13 - line 29 column 3, line 41 - line 44 column 5, line 6 - line 9; claims 1-5; figures 1-5	17,19,21 9,16,28
x //	PT 95 130 A (SOBERANA CORTICEIRA SA) 28 February 1992 (1992-02-28) page 1, line 14 - line 30; claims 1-3	1,15, 26-28 9,14,17
x 11	FR 1 022 562 A (MAZZONI LUCIEN) 6 March 1953 (1953-03-06)	1,11,14, 19,21, 26,27
A	<pre>page 2, line 3 - line 20 page 2, line 34 - line 37; claim 1; figure 3</pre>	9,17,28
x //	EP 0 205 312 A (NITTO ELECTRIC IND CO; DAIKYO GOMU SEIKO KK (JP)) 17 December 1986 (1986-12-17) page 1, line 2 - line 5 page 3, line 15 - line 23; claims 1,4,5;	1,6-8,21 9,37-39
, ,	figures 3,4	
x //	DE 39 40 461 A (PFEFFERKORN & CO) 13 June 1991 (1991-06-13) cited in the application	1-5,11, 14-16, 18,19, 22,23, 26,27, 30,31,
A	column 2, line 43 - line 53 column 2, line 65 -column 3, line 1 column 3, line 56 - line 65; claims 1,5,6,12; figures 1-3	33-36 9,24,28
	-/	
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International Application No PCT/GB 03/00939

	tion) DOCUMENTS CO	
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
x JJ	DE 42 25 092 A (KESSLER REINHARD) 4 February 1993 (1993-02-04) cited in the application	1-7,9, 11,14, 15, 18-20, 22,23, 25-27, 30-37,40
A	column 2, line 28 - line 44 column 2, line 61 - line 63 column 4, line 20 - line 28 column 4, line 46 - line 47; claims 1-4; figures 1,2,6-9	9,24,28
x√√	DE 19 42 494 A (DYNAMIT NOBEL AG) 4 March 1971 (1971-03-04)	1,19,21
A	page 2, line 6 - line 13 page 2, last paragraph page 5, last paragraph page 6, line 1 - line 9; claims 1-3,9; figure 3	9
P,X / /	WO 03 004367 A (PROCEL PTY LTD ;MATHESON NORMA CATHERINE (AU)) 16 January 2003 (2003-01-16) page 12, line 9 -page 13, line 12 page 13, line 24 - line 26 page 19, line 12 - line 14; claims 2,5-10,12,14-22,26,27,35; figures 1-9	1,6-11, 14-16, 19,21
P,X	EP 1 270 703 A (HENKEL KGAA) 2 January 2003 (2003-01-02)	1,15,18, 19, 26-28,41
A	column 1, line 8 - line 17 column 1, line 42 - line 46 column 3, line 6 - line 34 column 3, line 47 - line 54; claims 3,4	9,17
x ./	DE 889 221 C (BRODHAGE KORKEN UND KORKWARENF) 7 September 1953 (1953-09-07) page 2, line 4 - line 40; claim 1	41
x 1]	EP 0 927 613 A (NERI F & C S N C) 7 July 1999 (1999-07-07) column 3, line 22 - line 30; claim 1	42
v 1 1	PATENT ABSTRACTS OF JAPAN vol. 017, no. 316 (M-1430), 16 June 1993 (1993-06-16) -& JP 05 031831 A (NAGAYANAGI KOGYO KK), 9 February 1993 (1993-02-09)	41
٩	abstract; figures 1,2,5,6	42

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C.(Continua	ation) DOCUMENTS CORRED TO BE RELEVANT	
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
y J A	US 5 018 337 A (CARTER DAVID G ET AL) 28 May 1991 (1991-05-28) column 2, line 22 - line 24 column 2, line 45 - line 49; claim 4	41 42
	0 (continuation of second sheet) (bity 1992)	

Information on patent family members

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